CLAIMS

1. A control system for controlling a plurality of devices in a subsea installation (1), said devices being connected to at least one common bus, the control system comprising:

a control module (14),

each device comprising a bus controller having a unique address and means for communicating with the control module (14),

each device being removably connected to the common bus.

2. A control system according to claim 1 wherein the common bus comprises at least one modular cable unit.

3. A control system according to claim 2 wherein the cable unit comprises a cable (40) having at least one electrical connector (44) at each end.

4. A control system according to claim 2 wherein the cable unit comprises a distribution hub (50, 54, 58) having at least two electrical connectors (45).

5. A control system according to claim 2 wherein the cable unit comprises an end termination (42, 90n).

6. A control system according to claim 2, wherein the cable unit comprises a repeater (55).

7. A control system according to claim 1, wherein the cable unit comprises an extension of said common bus.

8. A control system according to claim 3 wherein said at least one electrical connector is connected to at least one of said plurality of devices.

9. A control system according to claim 1 wherein the common bus comprises a CAN bus.

10. A control system according to claim 1, wherein at least one of said plurality of devices comprises a battery (36).

11. A control system according to claim 1, wherein at least one of said plurality of devices comprises an electro-hydraulic pod (80).

12. A control system according to claim 1, wherein at least one of said plurality of devices comprises an actuator (13).

13. A control system according to claim 1, wherein at least one of said plurality of devices comprises a sensor (62).

14. A control system according to claim 2, wherein said cable unit further comprises a central junction (93).

15. A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector (90a, 90b...90n) and at least two control signal supply cables (94, 98, 102) extending between said central junction (93) and said electrical connector.

16. A control system according to claim 15, wherein said at least two control signal supply cables are electrically joined at said electrical connector.

17. A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector and at least two control signal return cables (96, 100, 102) extending between said central junction (93) and said electrical connector.

18. A control system according to claim 15, wherein said cable unit further comprises a signal component (108)..

19. A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector and at least two control signal cables, each of said control signal cables comprising a current loop which is routed through each said electrical connector and through said central junction.

20. A control system according to claim 3, wherein at least one electrical connector comprises a female connector (45).

21. A control system according to claim 3, wherein at least one electrical connector comprises a male connector (44).

22. A control system according to claim 3, wherein at least one electrical connector comprises a signal termination component (118).